Appendix A: Online Table 1 - Occupational Exposure Categories, 1992 Health and Retirement Survey

(Adapted from HRS 1992 (Wave 1) Documentation. variable 3931. <http://hrsonline.isr.umich.edu/modules/meta/1992/core/codebook/15_h2.htm> downloaded 03/15/2019)

SOLVENTS, CLEANERS, and COATINGS

Alcohol, anti-freeze

CFCs (chlorofluorocarbons)

Cleaning materials - other (includes bleach, ammonia, chemical cleaners, floor wax, cleaners" NFS)

Esters (stearate)

Formaldehyde

Freon

Glues and adhesives (alternate construction word for glue: epoxy)

Leather tanning materials (glutaraldehyde)

Methylene (methane dichloride), methylene chloride, ethylene, ethane, chloroethane

Nail care products (nail polish)

Paint (aerosol paint)

Plastics, resins, and fiberglass (plastic dust, methyl methacrylate)

Printing and developing chemicals; ink

Rubber, rubber fumes, and smoke from burning rubber

Solvents - organic (includes paint thinner, turpentine, benzene, trichloroethylene, M.E.K. [methyl ethyl ketone], chloroform, acetone, carbon disulfide, tetrachloride, "cleaning solvents" or "solvents" NFS)

PETROLEUM DERIVATIVES

Asphalt

Exhaust from cars, trucks, etc. (carbon monoxide, smog, car fumes)

Gasoline, aviation fuel, diesel fuel, propane gas

Hydraulic and brake fluids, brake dust, misc. non-oil and non-fuel machinery chemicals

Oils (include grease from machinery under this heading)

Tar (roofing, roads)

MINERAL FUMES AND DUST

Asbestos

Carbon, carbon dust

Cement or sand (usually construction related)

Dust (also ash) – not elsewhere classified or not ascertained source

Glass (powdered, dust)

Graphite (often graphite dust)

Mineral dust, and other dust from mining; coal dust

Other metals or metal byproducts

Solder and lead

Welding fumes - specific mention

WOOD, PAPER, AND OTHER PLANT PRODUCTS

Food dust, vegetable dust

Paper, wood

Textiles, fabric

Tobacco related (tobacco smoke, tobacco dust, cigarette smoke)

BIOHAZARDS

Biomedical hazards, AIDS/HIV, contaminated blood, hepatitis, medical lab spills

Mold, fungus, "bacteria"

INORGANIC CHEMICALS

Acids (battery acid, sulfuric, hydrochloric, or other specified acid)

Caustic products (caustic soda, lye, lime)

Chalk dust (calcium carbonate dust)

Chlorine (gas)

Hydrogen sulfide

Mercury

Poisons [other] (arsenic, cyanide)

Sodium carbonate

Sulfur

Sulfur dioxide, sulfur trioxide

AGRICULTURAL AND RELATED CHEMICALS

Fertilizers and other agricultural chemicals (exc. 62)

P.C.B.s (polychlorinated biphenyls)

Pesticides, rodenticides, and herbicides (Dursban, 24D, diazanon, malathion)

Wartime and crowd control chemicals and gases, even though some are herbicides (Agent Orange/butyl esters, tear gas, mustard gas, nerve gas, other irritants)

DRUGS AND EXPLOSIVES

Anesthetics (ether, halothane, nitrous oxide [laughing gas])

Chemotherapy chemicals

Drugs, medicinal chemicals/products

Explosives; explosive chemicals; gases resulting from detonation of nitroglycerin, blasting caps, fireworks, powders, gunpowder)

Garment/material/fabric and miscellaneous non-hair dyes

Nitrogen, nitrates, nitrites (general)

MISCELLANEOUS OTHER HAZARDS

Animal dander/hair, infestations, and related contact

Asphyxiants (methane, sewer gases)

Carbon dioxide (gas)

"Chemicals" – not further specified, not elsewhere classified, unidentified because of spelling, or an unknown commercial name

Electrical hazards (high voltage)

Fire hazard and fire-related smoke

Food preparation and preservation materials (grease [organic], brine water)

Fume/vapors/pollution – not elsewhere classified or not ascertained source (also "smoke" - other than "rubber smoke" or "smoke from fire")

Hair products (dyes/bleaches/sprays, permanent wave solutions, peroxide)

Hazardous/toxic waste, dirt, landfill – not ascertained type of chemical hazard, sewage

Hormones (testosterone, livestock hormones, etc.)

Loud, high-pitched, or prolonged noise(s)

Machinery usage (construction, machinery, guns, other machines)

Ozone

Radiation, radioactivity

Visual hazards (computer screens, lack of essential lighting, or excessively bright lights)

OTHER

NFS = not further specified